APPLN. FILING DATE: JANUARY 16, 2004

TITLE: METHOD OF MANUFACTURING SILICON OPTOELECTRONIC DEVICE, SILICON OPTOELECTRONIC DEVICE MANUFACTURED BY THE METHOD, AND IMAGE INPUT AND/OR OUTPUT APPARATUS USING THE

SILICON OPTOELECTRONIC DEVICE
INVENTOR(S): EUN-KYUNG LEE ET AL
ATTORNEY DOCKET NO.: 030681-624 SHEET 1 OF 16

FIG. 1 (PRIOR ART)

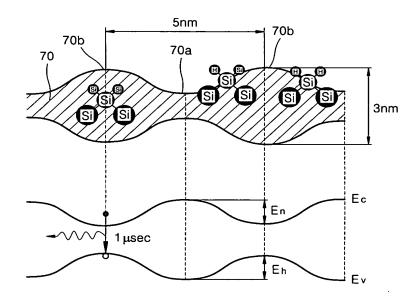
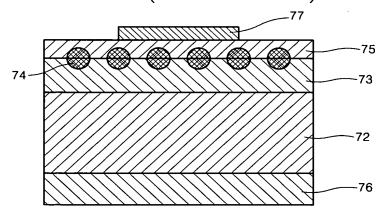


FIG. 2 (PRIOR ART)



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FIG. 3

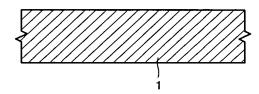


FIG. 4A

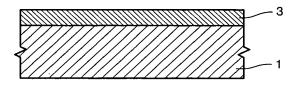
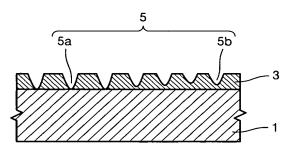


FIG. 4B



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FIG. 4C

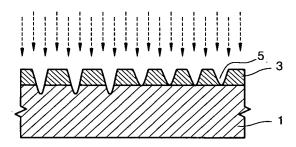


FIG. 4D

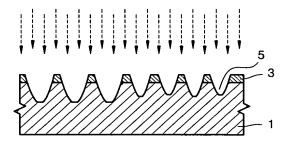
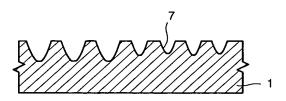


FIG. 4E



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FIG. 5A

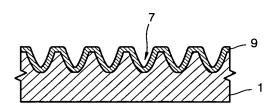


FIG. 5B

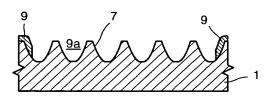
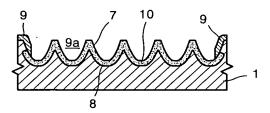
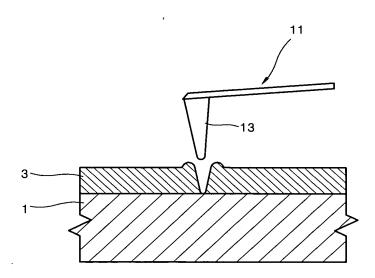


FIG. 6



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FIG. 7



SILICON OPTOELECTRONIC DEVICE
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FIG. 8A

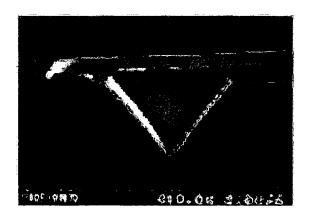
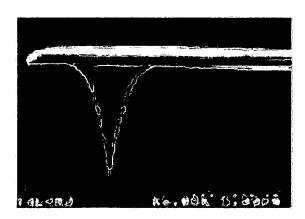


FIG. 8B

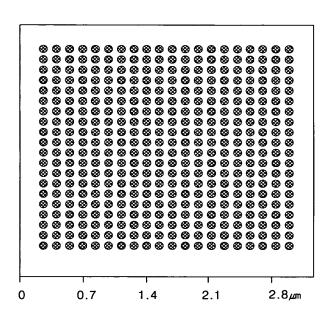


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FIG. 9



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FIG. 10

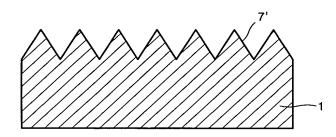
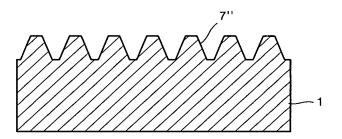
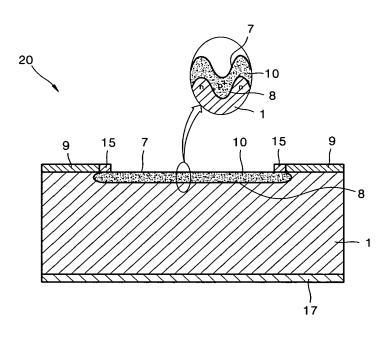


FIG. 11

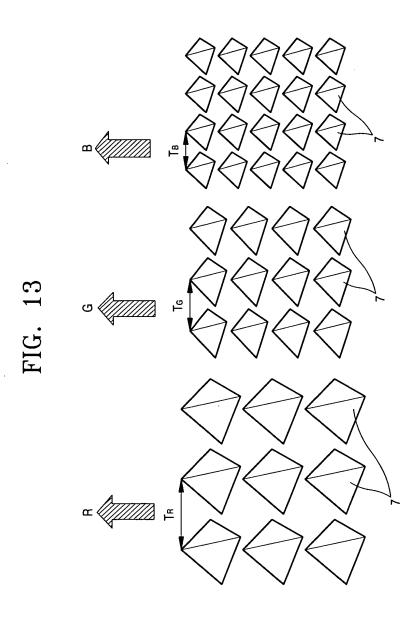


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FIG. 12



SILICON OPTOELECTRONIC DEVICE
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FIG. 14

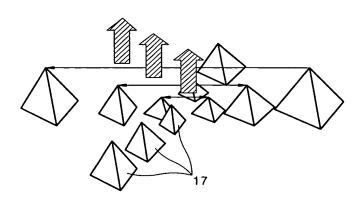
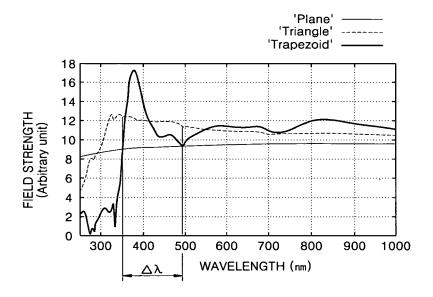


FIG. 15



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FIG. 16

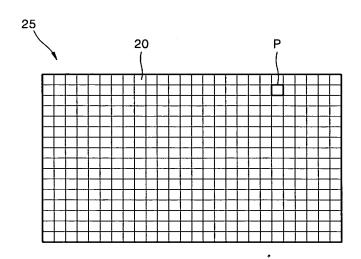
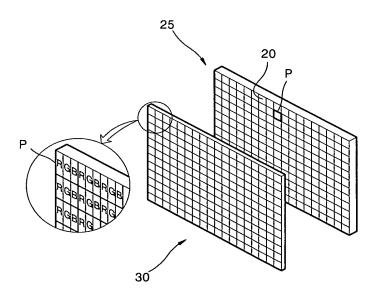


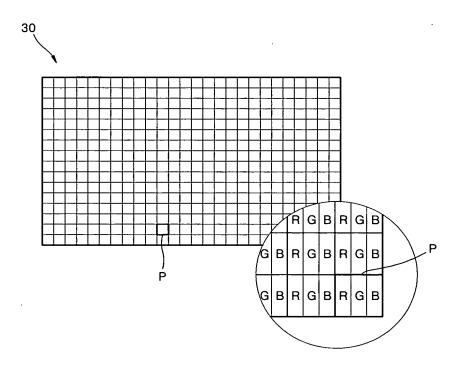
FIG. 17



SILICON OPTOELECTRONIC DEVICE

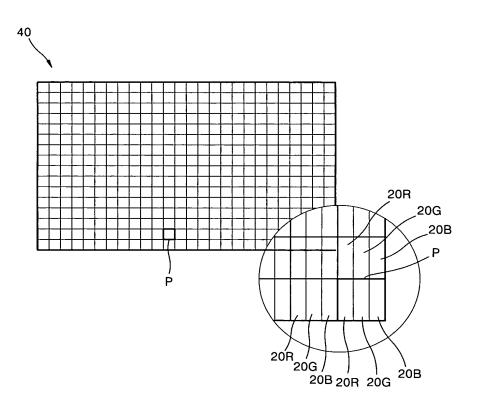
INVENTOR(S): EUN-KYUNG LEE ET AL
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FIG. 18



SILICON OPTOELECTRONIC DEVICE
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FIG. 19



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FIG. 20

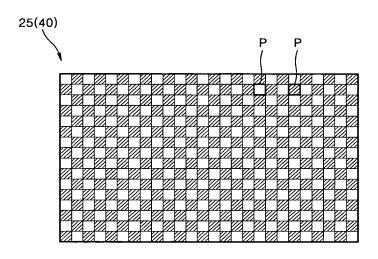
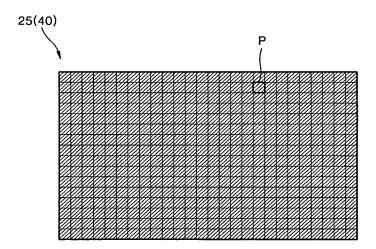


FIG. 21A



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FIG. 21B

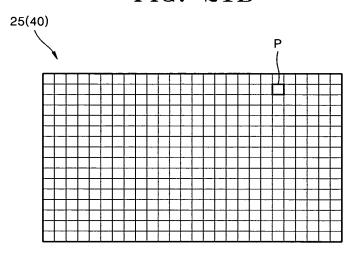


FIG. 22

